

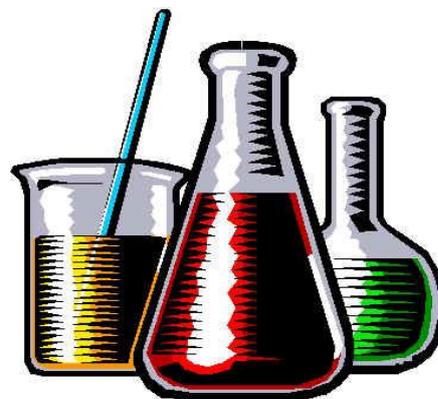
Faculty : Science
Subject : Key Stage 5 Chemistry



St John Fisher
Catholic High School

Faculty Introduction:

Chemistry is the study of the properties of the materials in the world around us. The chemist looks at and tries to interpret changes in materials, from the apparently simple, such as the burning of hydrogen, to the more complex, such as reactions in the body. At the same time, the chemist may be interested in energy changes, or how fast a reaction proceeds. Another important aspect is working out the structure of materials and identifying their constituents. The chemist uses both simple and complex analytical techniques to determine the composition of every kind of substance. Research and development of new materials is a most important part of chemistry. These new materials include drugs, plastics, rubbers and detergents to name but a few. These are just some of the things which chemistry involves; look around you and you will see the work of the chemist everywhere.



Topics/Modules to be covered in the year:

The AQA chemistry course at AS and A Level builds upon the principles learnt at GCSE as well as introducing new concepts.

- Unit 1: Physical Chemistry
- Unit 2: Inorganic Chemistry
- Unit 3: Organic Chemistry

Assessment:

Students will be assessed by examinations. Chemistry Laboratory Skills are assessed through the exam also.

There are 12 required practicals which are conducted during lessons over the 2 years. Practical Skills are assessed during these and other practical sessions to ensure that students can achieve their Practical Skills Endorsement which is separate to the exam grade.

Homework expectations/key deadlines:

Students are expected to conduct 5 hours of study per week for this subject in addition to their lesson time. Homework is set on a weekly basis and will form part of this non-contact time but the rest is independent study, revision, pre-lesson learning and reading around the subject.